

Amendments to the Claims:

This listing of claims will replace all prior versions of claims in the application:

Listing of Claims:

1. (currently amended) An immune deficient SCID mouse model having a human prostate cancer xenograft of locally advanced or metastatic prostate cancer; wherein the mouse model exhibits the transition form androgen-dependence to androgen-independence and where the mouse model recapitulates the development of primary tumors, micrometastasis, or and formation of osteoblastic lesions characteristic of late stage prostate cancer; and where the xenograft is implanted subcutaneously, intraprostatically, or within a bone of the mouse.

2.-20. (cancelled)

21. (previously presented) The immune deficient SCID mouse model of claim 1, wherein the xenograft is implanted subcutaneously.

22. (previously presented) The immune deficient SCID mouse model of claim 1, wherein the xenograft is implanted intraprostatically.

23. (previously presented) The immune deficient SCID mouse model of claim 1, wherein the xenograft is implanted within a bone of the mouse.

24. (previously presented) The immune deficient SCID mouse model of claim 1, wherein the xenograft is from an explant selected from prostate, lymph node, lung, or bone tissue.

25. (previously presented) The immune deficient SCID mouse model of claim 1, wherein the xenograft is a prostate cancer cell suspension.